



- 50 Ohm Nominal Impedance.
- Snap-on interface for quick connect & disconnect.
- 1/3 smaller than the MCX series.
- Cable, right angle, and edge card styles available.
- Frequency Range: Up to 6 GHz

SPECIFICATIONS

MATERIAL

| | |
|----------------|---------------------------------------|
| Body: | Brass |
| Crimp Sleeves: | Annealed Copper Alloy |
| Contacts: | Copper Alloy (Female) Brass (Male) |
| Spring Rings: | Copper Alloy |
| Insulators: | Teflon [®] |

FINISHES

| | |
|------------------|----------------|
| Body: | Gold or Nickel |
| Center Contacts: | Gold |

ENVIRONMENTAL

| | |
|--------------------|--------------------------------------|
| Temperature Range: | -65° C to +165° C |
| Vibration: | MIL-STD-202, Method 204, Condition D |
| Shock: | MIL-STD-202, Method 102, Condition C |
| Corrosion: | MIL-STD-202, Method 101, Condition B |

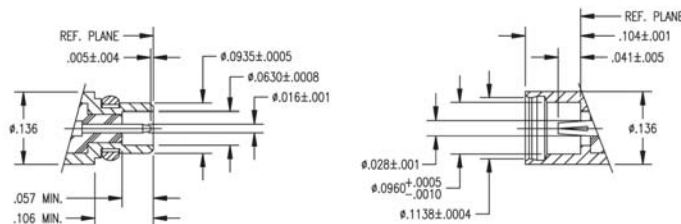
ELECTRICAL

| | |
|------------------------|---|
| Impedance: | 50 Ohms |
| Frequency Range: | DC to 6 GHz |
| Contact Resistance: | Center Contact: 5.0 Milliohms Maximum Outer Contact: 2.5 Milliohms Maximum |
| Insulation Resistance: | 1,000 Megohms Minimum |

MECHANICAL

| | |
|----------------------|--------------------|
| Life: | 500 Cycles |
| Engagement Force: | 3.4 Pounds Maximum |
| Disengagement Force: | 1.4 Pounds Minimum |
| Contact Captivation: | 2.3 Pounds Minimum |

INTERFACE DIMENSIONS



MMCX SERIES

CABLE PLUGS, CRIMP TYPE - FLEXIBLE CABLE

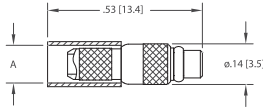


FIGURE 1

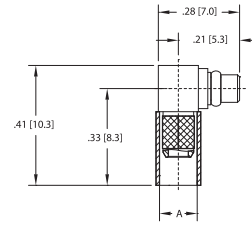


FIGURE 2

CABLE PLUGS, SOLDER TYPE - SEMI-RIGID CABLE

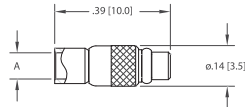


FIGURE 3

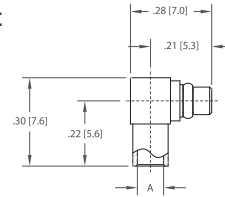


FIGURE 4

CABLE JACK, SOLDER TYPE SEMI-RIGID CABLE

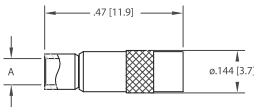


FIGURE 5

CABLE JACK, CRIMP TYPE FLEXIBLE CABLE

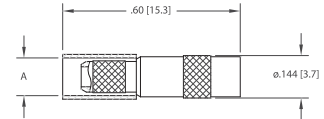


FIGURE 6

| Item Number | Military PN | Product Description | Gender | Finish | Dimensions | | | | Cable Group | Cable Procedure | Crimp Die | Mounting Hole | Figure # |
|---------------|-------------|---------------------|--------|--------|------------|---|---|---|-------------|-----------------|-----------|---------------|----------|
| | | | | | A | B | C | D | | | | | |
| 470-900-0631H | | Plug, Crimp | M | Gold | 0.142 | | | | 3 | CAP9-17 | KTH-2015 | | 1 |
| 470-900-0361H | | Plug, Crimp | M | Gold | 0.106 | | | | 52 | CAP9-17 | KTH-2011 | | 1 |
| 470-900-1000H | | Plug, Crimp | M | Gold | 0.128 | | | | 82 | CAP9-17 | KTH-2011 | | 1 |
| 470-900-0360H | | Plug, Crimp | M | Gold | 0.091 | | | | A | CAP9-17 | KTH-2008 | | 1 |
| 470-900-0630H | | Plug, Crimp | M | Gold | 0.128 | | | | B | CAP9-17 | KTH-2011 | | 1 |
| 472-900-0631H | | Plug, Angle, Crimp | M | Gold | 0.142 | | | | 3 | CAP9-18 | KTH-2015 | | 2 |
| 472-900-0361H | | Plug, Angle, Crimp | M | Gold | 0.106 | | | | 52 | CAP9-18 | KTH-2011 | | 2 |
| 472-900-1000H | | Plug, Angle, Crimp | M | Gold | 0.128 | | | | 82 | CAP9-18 | KTH-2011 | | 2 |
| 472-900-0360H | | Plug, Angle, Crimp | M | Gold | 0.091 | | | | A | CAP9-18 | KTH-2008 | | 2 |
| 472-900-0630H | | Plug, Angle, Crimp | M | Gold | 0.128 | | | | B | CAP9-18 | | | 2 |
| 471-900-0631H | | Jack, Crimp | F | Gold | 0.142 | | | | 3 | CAP9-17 | KTH-2015 | | 3 |
| 471-900-0361H | | Jack, Crimp | F | Gold | 0.106 | | | | 52 | CAP9-17 | KTH-2011 | | 3 |
| 471-900-1000H | | Jack, Crimp | F | Gold | 0.128 | | | | 82 | CAP9-17 | KTH-2011 | | 3 |
| 471-900-0360H | | Jack, Crimp | F | Gold | 0.091 | | | | A | CAP9-17 | KTH-2008 | | 3 |
| 471-900-0630H | | Jack, Crimp | F | Gold | 0.128 | | | | B | CAP9-17 | KTH-2011 | | 3 |
| 472-900-0850H | | Plug, Angle, Solder | M | Gold | 0.090 | | | | 50 | CAP5-18 | | | 4 |
| 472-900-0470H | | Plug, Angle, Solder | M | Gold | 0.052 | | | | 51 | CAP5-18 | | | 4 |
| 470-500-0850H | | Plug, Solder | M | Gold | 0.090 | | | | 50 | CAP5-17 | | | 5 |
| 470-500-0470H | | Plug, Solder | M | Gold | 0.052 | | | | 51 | CAP5-17 | | | 5 |
| 471-500-0850H | | Jack, Solder | F | Gold | 0.090 | | | | 50 | CAP5-17 | | | 6 |
| 471-500-0470H | | Jack, Solder | F | Gold | 0.052 | | | | 51 | CAP5-17 | | | 6 |

* For Nickel Plated Version, Change H to N in Part Number

PCB JACKS

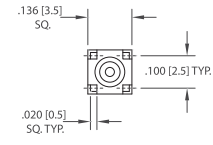
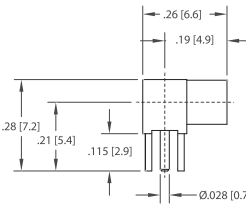
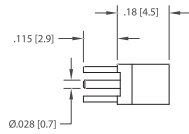
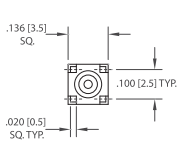


FIGURE 7

FIGURE 8

PCB PLUG

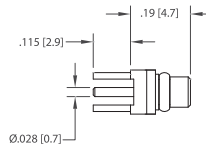
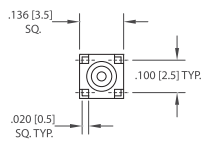


FIGURE 9

END LAUNCH JACK

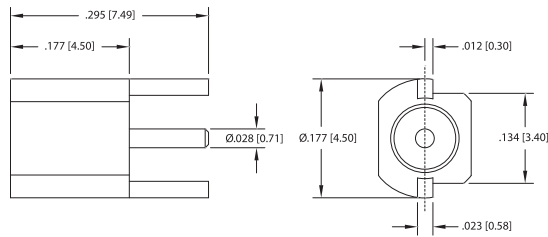


FIGURE 10

| Item Number | Military PN | Product Description | Gender | Finish | Dimensions | | | | Cable Group | Cable Procedure | Crimp Die | Mounting Hole | Figure # |
|---------------|-------------|---------------------|--------|--------|------------|---|---|---|-------------|-----------------|-----------|---------------|----------|
| | | | | | A | B | C | D | | | | | |
| 471-040-0040H | | Jack, PCB | F | Gold | | | | | | | | Q | 7 |
| 473-040-0040H | | Jack, Angle, PCB | F | Gold | | | | | | | | Q | 8 |
| 473-040-0040N | | Jack, Angle, PCB | F | Nickel | | | | | | | | Q | 8 |
| 470-040-0040H | | Plug, PCB | M | Gold | | | | | | | | Q | 9 |
| 471-086-0040H | | Jack, End Launch | F | Gold | | | | | | | | | 10 |
| 471-086-0040N | | Jack, End Launch | F | Nickel | | | | | | | | | 10 |